

Historic, Archive Document

Do not assume content reflects current
scientific knowledge, policies, or practices.

A292.9
S08wa
cap.2



United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah



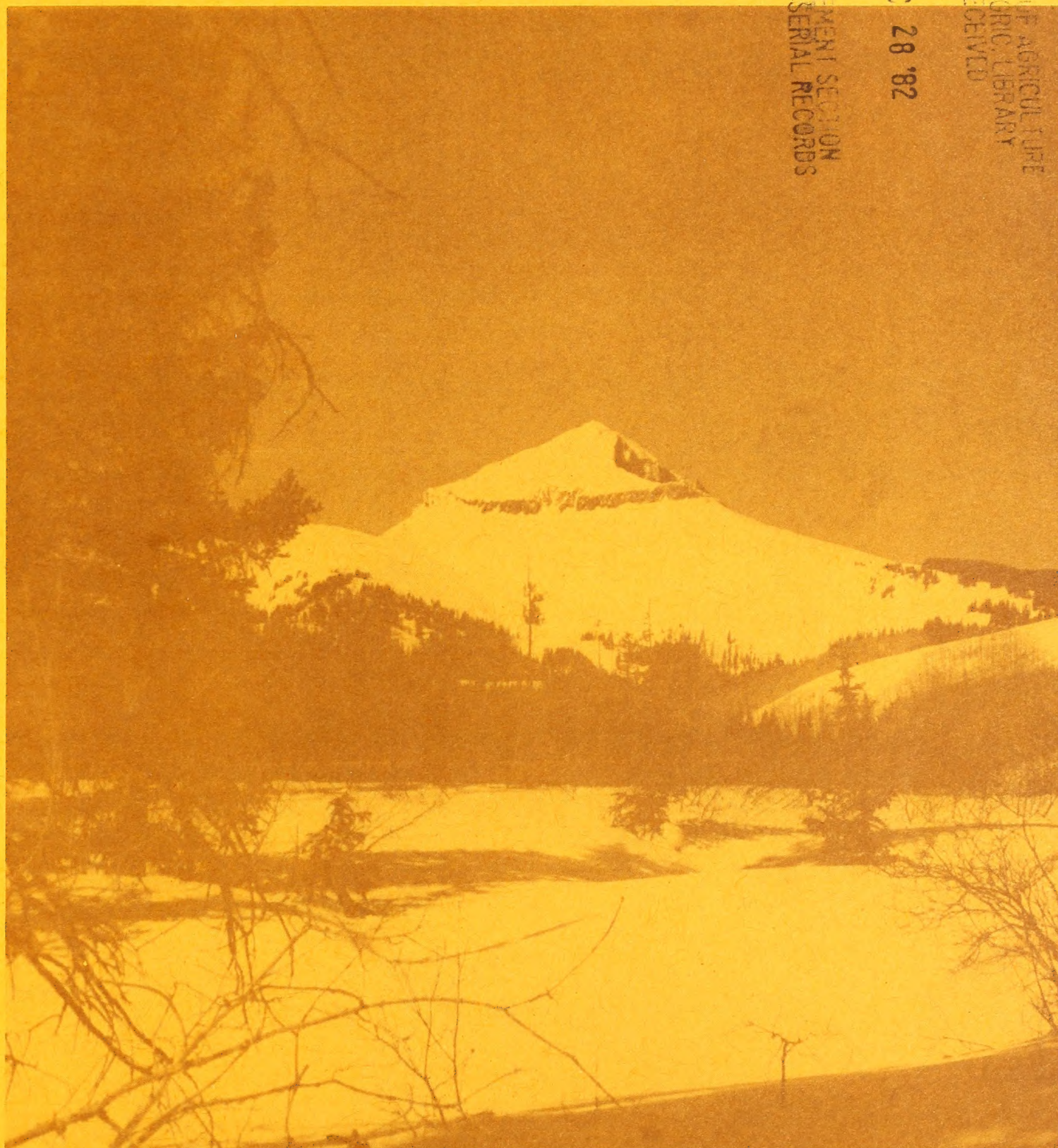
WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department
of Natural Resources

U.S. DEPT. OF AGRICULTURE
NATL. AGRIC. LIBRARY
RECEIVED

DEC 28 '82

PROCUREMENT SECTION
CURRENT SERIAL RECORDS



October 1, 1982

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: LONE CONE, NEAR NORWOOD, COLORADO

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| <u>STATE</u> | <u>ADDRESS</u> |
|-------------------------|--|
| Alaska | Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504 |
| Arizona | Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025 |
| Colorado (N. Mexico) | P. O. Box 17107, Denver, Colorado 80217 |
| Idaho | Room 345, 304 N. 8th St., Boise, Idaho 83702 |
| Montana | P. O. Box 98, Bozeman, Montana 59715 |
| Nevada | P. O. Box 4850, Reno, Nevada 89505 |
| Oregon | 1220 S. W. Third Ave., Portland, Oregon 97204 |
| Utah | 4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147 |
| Washington | 360 U. S. Court House, Spokane, Washington 99201 |
| Wyoming | P. O. Box 2440, Casper, Wyoming 82602 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

WATER SUPPLY OUTLOOK FOR UTAH

**and
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS**

Issued by

**PETER C. MYERS
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.**



Released by

**GEORGE D. McMILLAN
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH**

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

**DEE C. HANSEN
State Engineer
Division of Water Rights**

**DANIEL F. LAWRENCE
Director
Division of Water Resources**



Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

**Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147**

WATER QUALITY OUTLOOK

FOR
1970

REPORT OF THE ADVISORY COMMISSION ON WATER QUALITY

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
WASHINGTON, D.C. 20250

CONDUCTED BY THE NATIONAL ACADEMY OF SCIENCES
NATIONAL RESEARCH COUNCIL ON WATER QUALITY

REPORT OF THE ADVISORY COMMISSION ON WATER QUALITY
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
WASHINGTON, D.C. 20250

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
WASHINGTON, D.C. 20250

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
WASHINGTON, D.C. 20250

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
WASHINGTON, D.C. 20250

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
WASHINGTON, D.C. 20250

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
WASHINGTON, D.C. 20250

WATER SUPPLY OUTLOOK

As Of October 1, 1982

* * * * *

* Utah's 1982 Water Supply was generally better than *
 * average except on the Virgin River and Mill Creek near *
 * Moab. Later than usual snow melt generally produced *
 * more streamflow than forecast on May 1, 1982 except on *
 * Weber, Duchesne, and San Rafael Rivers. Much heavier *
 * than usual summer precipitation improved late season *
 * streamflow and reduced water use resulting in October 1, *
 * carryover reservoir storage at near record high levels. *
 * Soils are well primed for next spring's snow melt. *
 * * * * *

Delayed melt of a very heavy snow pack last spring produced later and heavier than usual streamflow giving water users more than adequate water supplies in the northern two-thirds of the state.

Precipitation during the July, August and September period was 1-1/2 to 3 times average - with some stations showing 15 to 25 inches of moisture for the three months. The exceptionally heavy storm the last week of September contributed 1 to 9 inches of moisture saturating the soil and causing damaging runoff in many areas of the state.

Reservoir storage is very good for October 1, with some reservoirs reported full and spilling. The total of 24 key reservoirs is now 138% of the 1963-77 average for October 1st and 146% of last year at this time.

The following table is a comparison of forecasts made on May 1, with provisional flow measured by the Geological Survey and other cooperators.

| <u>Station</u> | <u>Forecast Period</u> | <u>May 1 Forecast (1000 A. F.)</u> | <u>Measured Flow for the Period (1000 A. F.)</u> |
|----------------------------|----------------------------|--|--|
| <u>BEAR RIVER</u> | | | |
| Bear nr Ut-Wyo. State Line | May-July | 134 | 137 |
| Bear nr Woodruff | | | |
| Woodruff nr Woodruff | | 20 | 22 |
| Bear nr Randolph | | | |
| Logan nr Logan (combined) | May-July | 132 | 157 |
| Blacksmith Fk nr Hyrum | May-July | 59 | 63 |
| Little Bear nr Paradise | May-June | 42 | 43 |

WATER SUPPLY OUTLOOK (continued)

| <u>Station</u> | <u>Forecast Period</u> | <u>May 1 Forecast (1000 A. F.)</u> | <u>Measured Flow for the Period (1000 A. F.)</u> |
|---|----------------------------|--|--|
| <u>WEBER-OGDEN RIVERS</u> | | | |
| Weber nr Oakley | May-June | 138 | 122 |
| Rockport Reservoir Inflow | May-June | 155 | 149 |
| Chalk Creek nr Coalville | May-June | 58 | 50 |
| Weber nr Coalville | May-June | 156 | 145 |
| Lost Creek nr Croydon | May-June | 16.4 | 20 |
| East Cyn. Creek nr Morgan | May-June | 23 | 29 |
| Echo Reservoir Inflow | May-June | 205 | 180 |
| Weber River nr Gateway | May-June | 376 | 289 |
| South Fk Ogden nr Huntsville | May-June | 55 | 65 |
| Pineview Reservoir Inflow | May-June | 102 | 106 |
| <u>PROVO-UTAH LAKE</u> | | | |
| Provo River nr Hailstone | May-July | 161 | 153 |
| Strawberry Reservoir Inflow | May-July | 67 | 84 |
| <u>UINTAH BASIN & DAGGETT SCD'S</u> | | | |
| Duchesne nr Tabiona | May-July | 148 | 161 |
| Duchesne at Duchesne | May-July | 259 | 254 |
| Strawberry at Duchesne | May-July | 86 | 79 |
| Rock Creek nr Mtn. Home | May-July | 134 | 107 |
| Currant Creek nr Fruitland | May-July | 27 | 27 |
| Lakefork below Moon Lake | May-July | 83 | 77 |
| Yellowstone nr Altonah | May-July | 74 | 71 |
| Duchesne at Myton | May-July | 389 | 262 |
| Whiterocks nr Whiterocks | May-July | 70 | 60 |
| Uintah River nr Neola | May-July | 98 | 85 |
| Duchesne nr Randlett | May-July | 437 | 319 |
| Henrys Fork | May-Sept. | | |
| Blacks Fork nr Millburne | May-July | | |
| Ashley Creek nr Vernal | May-July | 60 | 49 |
| <u>SEVIER RIVER INCL. BEAVER RIVER</u> | | | |
| Beaver nr Beaver | May-July | 33 | 30 |
| Oak Creek nr Oak City | May-July | 1.1 | 1.3 |
| Chicken Creek nr Levan | May-July | 4.4 | 4.4 |
| North Creeks combined | May-July | no gage | |
| Minersville Inflow | May-June | no gage | |
| Seven Mile Creek nr Fish Lake | May-July | 7.1 | 6.9 |
| <u>SAN RAFAEL, MUDDY, VIRGIN, AND FREMONT RIVERS INCL. MILL CK. NR MOAB</u> | | | |
| Cottonwood Ck. nr Orangeville | May-July | 67 | 63 |
| Ferron nr Ferron | May-July | 62 | 47 |
| Muddy Creek nr Emery | May-July | 33 | 25 |
| Mill Creek nr Moab | May-July | 2.5 | 3.4 |
| Virgin nr Hurricane | May-June | 19 | 29 |

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

| Basin or Stream | RESERVOIR | Usable Capacity | Usable Storage | | |
|-------------------------|---------------------|-----------------|----------------|-----------|--------------------|
| | | | This Year | Last Year | Average† |
| GREAT BASIN | | | | | |
| <u>Bear River</u> | Bear Lake | 1421.0 | 1240.5 | 881.8 | 1091.1 |
| | Woodruff Narrows | 57.3 | 59.3 | 14.2 | 12.0 |
| | Birch Creek | 2.2 | 1.0 | | |
| | Woodruff Creek | 4.0 | 2.2 | 0.4 | |
| <u>Beaver River</u> | Minersville (RkyFd) | 23.3 | 10.4 | 7.9 | 5.2 |
| <u>Little Bear</u> | Hyrum | 15.3 | 10.4 | 3.1 | 8.7 |
| | Porcupine | 11.3 | 3.2 | 0.7 | 2.2 |
| <u>Ogden</u> | Causey | 6.9 | 2.8 | 1.3 | 1.6 ^b |
| | Pineview | 110.1 | 77.8 | 48.0 | 57.7 |
| <u>Provo</u> | Deer Creek | 149.7 | 134.9 | 75.2 | 100.9 |
| <u>Settlement Creek</u> | Settlement Creek | 1.2 | 0.6 | 0.3 | |
| | Vernon Creek | 0.6 | | 0.1 | |
| <u>Sevier River</u> | Gunnison | 18.2 | 8.7 | 3.8 | 3.6 |
| | Otter Creek | 52.5 | 35.1 | 29.4 | 18.7 |
| | Piute | 71.8 | 43.6 | 16.0 | 13.4 |
| | Sevier Bridge | 236.0 | 130.7 | 115.0 | 66.3 |
| | Panguitch Lake | 22.3 | 18.6 | 16.2 | |
| <u>Spanish Fork</u> | Strawberry | 270.0 | 235.0 | 162.2 | 149.0 |
| | Soldier Creek | 1106.0 | | 44.1 | |
| <u>Utah Lake</u> | Utah Lake | 883.9 | 936.3 | 645.8 | 569.8 |
| <u>Weber</u> | East Canyon | 48.1 | 36.8 | 27.3 | 25.3 |
| | Echo | 73.9 | 45.2 | 16.0 | 27.6 |
| | Lost Creek | 20.0 | 17.0 | 12.1 | 13.8 ^b |
| | Rockport | 60.9 | 62.4 | 43.8 | 44.4 |
| | Willard Bay | 193.3 | 162.0 | 125.9 | 145.9 |
| COLORADO RIVER BASIN | | | | | |
| <u>Ashley Creek</u> | Steinaker | 33.3 | 22.2 | 17.3 | 16.4 |
| | Red Fleet | 26.0 | 18.1 | 10.0 | |
| <u>Colorado</u> | Blue Mesa | 829.5 | 739.0 | 379.5 | |
| | Lake Powell | 25002.0 | 23005.0 | 20765.0 | |
| <u>Green</u> | Flaming Gorge | 3749.0 | 3572.0 | 2920.0 | |
| <u>Lakefork</u> | Moon Lake | 35.8 | | 4.7 | 10.6 |
| <u>Price River</u> | Scofield | 65.8 | 48.5 | 29.3 | 34.0 |
| <u>San Juan</u> | Navajo | 1696.0 | 1506.0 | 1248.0 | |
| <u>San Rafael</u> | Huntington North | 3.9 | 2.9 | 0.9 | 1.0 ^b |
| | Joe's Valley | 54.6 | 51.6 | 41.3 | 38.6 ^b |
| | Mill Site | 16.7 | 10.3 | 5.6 | |
| <u>Strawberry</u> | Starvation | 165.3 | | 136.7 | 123.6 ^b |
| <u>Uintah</u> | Bottle Hollow | 11.3 | 11.4 | 10.4 | 10.2 ^b |

UTAH PRECIPITATION DATA 1982 WATER YEAR

| STATION NAME | OCT.-DEC. | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY-SEPT. | TOTAL |
|------------------|-------------|------------|-----------|-----------|------------|-----------|-------------|-------------|-------|
| BEAR RIVER BASIN | | | | | | | | | |
| BUG LAKE | 1/01 14.30 | 1/26 4.14 | 2/24 3.39 | 3/26 5.65 | 4/25 4.43 | 5/26 1.99 | 7/01 1.80 | 10/01 14.59 | 50.20 |
| BURTS-WILLER | | 1/27 0.50 | 2/25 1.23 | 3/27 1.59 | 4/26 2.73 | 5/25 0.99 | 6/29 1.11 | 9/28 6.95 | 24.06 |
| CLARKSTON MTN | | | | | | | | | |
| FRANKLIN BASIN | 1/01 20.80 | 1/26 8.30 | 2/23 5.50 | 3/25 5.60 | 4/25 11.20 | 5/28 3.00 | 7/01 4.20 | 10/01 7.30 | 65.90 |
| GARDEN CITY SMT | | 1/26 18.76 | 2/24 3.84 | 3/25 4.81 | 4/25 4.25 | 5/26 1.61 | 7/01 1.16 | 9/30 8.91 | 43.34 |
| GEORGE PFAK | | | | | | | | | |
| HAYDEN FORK | 1/02 16.10 | 1/27 3.93 | 2/25 3.89 | 3/27 4.42 | 4/26 5.42 | 5/25 1.97 | 6/29 1.73 | 10/01 11.20 | 48.55 |
| HERD HOLLOW | | | | | | | 10/04 10.04 | | 41.81 |
| LILY LAKE | 1/01 12.10 | 1/27 3.40 | 2/25 2.32 | 3/27 3.25 | 4/26 4.49 | 5/25 1.54 | 6/29 2.06 | 10/01 11.10 | 40.26 |
| LITTLE BEAR UP | 1/01 13.20 | 1/25 4.90 | 2/24 4.07 | 3/26 8.40 | 4/25 2.00 | 6/01 2.90 | 7/01 1.80 | 10/01 12.80 | 53.10 |
| KLONDIKE MRS | | 1/26 20.21 | 2/23 4.36 | 3/25 5.62 | 4/25 4.87 | 5/26 2.26 | 7/01 1.95 | 9/28 8.18 | 47.48 |
| MONTF CRISTO | 1/01 11.30 | 1/26 3.31 | 2/24 4.98 | 3/26 8.22 | 4/25 6.15 | 5/26 2.79 | 7/01 1.85 | 10/01 12.17 | 57.76 |
| SALT RIVER SMT | 12/30 12.74 | 1/26 5.56 | 2/25 2.56 | 3/27 4.62 | 4/29 3.25 | 5/27 1.32 | 6/30 1.62 | 9/30 7.62 | 39.35 |
| STILLWATER CMP | | 1/27 14.31 | 2/25 1.28 | 3/27 2.72 | 4/26 4.07 | 5/25 1.15 | 6/29 1.92 | 9/28 9.45 | 34.90 |
| TONY GROVE LK | 1/01 27.50 | 1/26 9.70 | 2/24 8.70 | 3/25 9.30 | 4/25 14.70 | 5/26 2.50 | 7/15 2.90 | 10/01 10.40 | 85.70 |
| TONY GROVERS | | 1/26 19.70 | 2/23 2.97 | 3/25 5.32 | 4/25 3.92 | 5/26 1.42 | 7/01 1.59 | 9/30 9.17 | 44.02 |
| WILLOW FLAT | 1/11 20.32 | 1/26 2.09 | 2/23 4.99 | 3/25 7.11 | 4/25 4.79 | 5/26 2.55 | 6/30 2.69 | 9/30 11.27 | 55.71 |

WEBER - GARDEN RIVER BASINS

| | | | | | | | | | |
|----------------|-------------|------------|-----------|------------|-----------|-----------|------------|-------------|-------|
| BEA LOMOND TPL | 1/14 15.03 | 1/25 2.25 | 2/24 6.38 | 3/26 12.58 | 4/25 3.71 | 5/26 1.98 | 7/02 2.12 | 10/01 16.53 | 60.58 |
| BEA LOMOND PK | 1/01 26.90 | 2/01 10.40 | 3/02 9.10 | 4/01 15.20 | 5/01 2.00 | 6/01 2.20 | 7/01 1.50 | 10/01 18.60 | 36.70 |
| CAUSFY DAM | | 1/26 12.31 | 2/24 2.80 | 3/26 5.57 | 4/25 3.73 | 5/26 1.24 | 7/01 0.91 | 10/01 8.57 | 35.13 |
| CHALK CREEK 1 | 1/01 18.50 | 2/01 7.60 | 3/01 2.70 | 4/01 7.00 | 5/01 5.60 | 6/01 2.10 | 6/28 3.20 | 10/01 11.65 | 58.55 |
| CHALK CREEK 2 | 1/01 11.79 | 2/01 3.77 | 3/01 1.70 | 4/01 3.87 | 5/02 4.43 | 5/25 1.13 | 6/28 1.22 | 10/01 10.72 | 38.63 |
| CHALK CREEK 3 | 1/13 12.38 | 1/27 2.35 | 2/25 1.42 | 3/27 3.51 | 4/26 4.13 | 5/25 1.55 | 6/22 1.30 | 9/29 9.48 | 36.12 |
| DRY PLEAD POND | 1/01 13.60 | 1/27 4.00 | 2/24 3.20 | 3/26 5.50 | 4/25 3.50 | 5/26 2.50 | 7/01 1.20 | 10/01 12.20 | 45.70 |
| FARMINGTON GS | | | 3/24 5.30 | 3/29 9.94 | 4/24 3.60 | 5/26 2.15 | | | |
| FARMINGTON LWR | 1/01 20.90 | 1/25 8.90 | 2/24 6.50 | 3/29 11.80 | 4/24 5.10 | 5/26 4.00 | 7/01 1.50 | 10/01 24.60 | 83.30 |
| FRANCIS CANYON | | 1/25 23.95 | 2/24 4.98 | 3/29 11.39 | 4/24 3.45 | 5/26 2.55 | 6/30 1.73 | 9/21 9.08 | 57.13 |
| GUILDERS PTAY | | | | | | | 7/01 26.00 | 10/07 8.55 | 34.55 |
| HANDSCRAMBLE | | | | | | | 7/07 35.60 | | 49.52 |
| HOPPE RIDGE | 12/25 12.80 | 1/25 10.00 | 2/24 4.60 | 3/27 6.11 | 4/25 5.50 | 5/26 1.56 | 7/09 3.21 | 10/01 10.40 | 54.18 |
| LOST CREEK | | 1/25 12.55 | 2/24 1.52 | 3/27 3.10 | 4/25 1.73 | 5/26 1.30 | 7/07 2.75 | 9/08 9.54 | 32.40 |
| PARK CITY SMT | 12/23 05.12 | 1/27 8.00 | | | | | | | |
| PARLEY CYN SMT | 1/04 17.35 | 1/29 4.25 | 2/25 3.32 | 3/30 6.62 | 4/29 4.31 | 5/27 2.19 | 6/29 1.10 | 10/01 13.73 | 52.86 |

NOTE: BLANK SPACES INDICATE NO READING TAKEN, NEXT READING IS CUMULATIVE (EXCEPT AS NOTED *)
*: GAGE MOLESTED, DATA FOR THIS PERIOD LOST

TWIN PRECIPITATION DATA 1952 WATER YEAR

| STATION NAME | OCT.-DEC. | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY-SEPT. | TOTAL |
|-----------------------------------|-------------|------------|------------|------------|-----------|-----------|------------|-------------|-------|
| PINE CANYON | | | | | | | | | |
| POCC FIRE | | | | | | | 5/30 29.70 | | |
| REDDER KING LN | | 1/27 20.74 | 2/15 2.49 | 3/27 6.17 | 4/26 4.26 | 5/25 2.28 | 6/24 1.75 | 9/30 11.01 | 48.70 |
| SAGEBUSH FLAT | | | | | | | | 10/01 | 8.39 |
| SEERAWNT LAKES | | | | | | | 5/25 26.17 | | |
| SWAMP HOUSE | 1/01 10.46 | 1/27 7.74 | 2/26 4.11 | 3/27 4.24 | 4/26 4.42 | 5/25 1.68 | 6/24 1.75 | 10/01 10.16 | 31.50 |
| UTAH LAKE - JORDAN M. RIVER BASIN | | | | | | | | | |
| BEAVER DIVIDE | 12/31 10.60 | 1/27 4.70 | 2/25 2.40 | 3/27 1.10 | 4/27 7.30 | 5/25 2.40 | 6/30 1.90 | 10/01 8.70 | 45.10 |
| CLEAR CR RDG E | 1/01 1.66 | 1/27 7.11 | 2/27 2.59 | 3/31 5.16 | 4/27 2.90 | 5/26 1.41 | 6/28 1.12 | 10/01 9.80 | 76.55 |
| DANIEL-STI SMT | 1/01 14.20 | 1/27 6.53 | 2/27 1.92 | 4/01 4.63 | 4/28 3.51 | 5/27 1.38 | 6/25 1.04 | 10/01 8.88 | 42.09 |
| DEERET PEAK | 2/01 2.70 | 2/27 3.25 | 3/01 15.41 | 4/29 1.79 | 5/01 4.75 | 5/27 1.60 | 6/25 1.45 | 9/30 6.05 | |
| DUTCHMAN RS | | 2/27 2.95 | 3/27 8.35 | 5/01 4.75 | 6/01 1.67 | 6/01 1.32 | 7/01 .46 | 9/30 8.56 | 39.56 |
| EAST FORTAL | 12/31 14.65 | 1/27 5.47 | 2/27 1.90 | 3/31 5.34 | 4/30 1.26 | 5/27 1.59 | 6/24 .56 | 9/28 6.90 | |
| HOBBS CK SMT | | | | 4/01 5.85 | 4/28 1.26 | | 5/25 35.25 | 9/27 6.89 | 42.14 |
| LAKE CREEK | | 1/27 4.77 | 2/25 1.26 | 3/30 5.12 | 4/27 3.62 | 5/25 1.27 | 6/29 1.41 | 10/05 13.04 | |
| LAMPS CANYON | 12/31 10.12 | 1/27 2.82 | 3/01 2.45 | 3/27 6.40 | 5/01 4.55 | 6/02 2.40 | 7/01 1.05 | 10/01 19.45 | 55.25 |
| MIDDLE CANYON | 1/01 17.70 | 1/27 4.40 | 2/27 2.20 | 3/29 5.10 | 4/27 3.70 | 5/25 3.00 | 6/28 .30 | 10/01 17.20 | 45.60 |
| PAYSON RS | | 2/01 17.00 | 3/01 2.70 | 4/08 10.07 | 4/29 2.23 | 5/02 3.25 | 6/30 1.42 | 9/22 6.01 | 44.81 |
| ROCKY BASIN-SC | | 1/27 17.50 | 2/25 2.47 | 3/27 3.76 | 4/26 3.45 | 5/25 1.95 | 6/24 .95 | 9/28 6.45 | 36.58 |
| SOAPSTONE RS | 12/26 22.55 | 1/30 13.40 | 2/27 3.95 | 3/27 13.20 | 5/01 7.00 | 5/27 3.05 | 6/25 1.40 | 10/01 15.30 | 69.55 |
| TIMPAULOS DIV | 12/31 17.10 | 1/27 2.00 | 2/25 2.61 | 3/27 6.84 | 4/26 5.45 | 5/25 2.70 | 6/29 .73 | 9/28 11.52 | 55.15 |
| TRIAL LAKE | 12/30 10.60 | 1/30 4.07 | 2/28 1.70 | 3/27 5.95 | 5/01 2.60 | 5/21 1.77 | 7/01 1.70 | 10/01 11.40 | 40.69 |
| VERNON CREEK | | | | | | | | | |
| DUCKS ME - GREEN RIVER BASIN | | | | | | | | | |
| ASHLEY TWIN LK | | | | | | | | | |
| ATWOOD LAKE | 12/31 1.00 | 1/3 3.70 | 2/26 1.10 | 3/20 6.70 | 4/27 2.30 | 5/25 1.70 | 6/30 4.40 | 10/04 9.90 | 47.02 |
| BLAKES FK JCT | 1/27 12.40 | 1/27 12.40 | 2/25 1.20 | 3/27 2.30 | 4/26 3.41 | 5/25 1.27 | 6/29 1.05 | 10/01 9.90 | 35.20 |
| BROWN DUCK RGS | 12/31 13.10 | 1/27 4.90 | 2/25 1.90 | 3/28 5.22 | 4/27 3.24 | 5/25 2.90 | 6/30 .40 | 9/30 15.20 | 29.20 |
| BUCK PASTURE | | | | | | | | | |
| BURN CREEK | 12/30 6.00 | 1/27 2.20 | 2/25 1.20 | 3/31 2.30 | 4/29 1.50 | 5/27 1.30 | 6/29 1.90 | 9/28 7.80 | 46.56 |
| CHEFFA TROCK | | | | | | | | | |
| CORRANT CREEK | 12/31 11.60 | 1/20 3.01 | 2/27 1.70 | 4/01 7.35 | 4/28 2.01 | 5/27 0.97 | 6/25 .28 | 10/05 8.15 | 24.20 |
| FK BLAKES FK | | 1/27 12.30 | 2/25 1.00 | 3/27 2.45 | 4/26 3.15 | 5/25 1.38 | 6/29 1.37 | 10/01 8.48 | 39.91 |
| FIVE POINT LK | 12/30 12.00 | 1/21 3.50 | 2/28 1.20 | 3/31 4.40 | 4/29 6.00 | 5/29 2.40 | 6/30 .40 | 9/28 10.00 | 31.29 |
| GRIZLY RIDGE | 12/30 1.75 | 1/27 7.35 | 2/25 0.30 | 3/31 5.10 | 4/29 2.00 | 5/27 2.50 | 6/29 .70 | 10/01 10.40 | 40.50 |
| HENING FORK | | | | | | | | 9/28 10.40 | 73.40 |
| | | | | | | | | 9/21 | 29.00 |

NOTE: BLANK SPACES INDICATE NO READING TAKEN, NEXT READING IS CUMULATIVE (EXCEPT AS NOTED *)
 *: GAGE MOLESTED, DATA FOR THIS PERIOD LOST

U T A H P R E C I P I T A T I O N D A T A

1982 WATER YEAR

| STATION NAME | OCT.-DEC. | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY-SEPT. | TOTAL |
|----------------|-------------|------------|-----------|-----------|-----------|-----------|------------|-------------|-------|
| HICKERSON PARK | | 1/28 7.11 | 2/26 0.84 | 3/28 1.84 | 4/27 2.55 | 5/25 1.66 | 6/29 1.77 | 9/28 7.50 | 23.27 |
| HEWATA CS | | 1/29 12.86 | 2/25 0.87 | 3/27 3.50 | 4/26 3.25 | 5/25 1.90 | 5/29 1.15 | 9/28 9.69 | 33.22 |
| INDIAN CANYON | 12/07 6.25 | 1/29 7.79 | 2/26 1.93 | 3/31 4.55 | 4/28 0.64 | 5/27 1.56 | 5/30 .80 | 10/01 9.15 | 32.37 |
| JACKSON PARK | | 1/28 23.70 | 2/25 0.63 | 3/28 4.52 | 4/27 2.77 | 5/25 3.23 | | | |
| KIDNEY LAKES | | | | | | | | | |
| KINGS CABIN UP | 12/31 3.57 | 1/28 2.20 | 2/26 0.83 | 3/28 4.34 | 4/27 2.12 | 5/25 2.11 | 5/29 .99 | 9/21 9.60 | 37.21 |
| LAKEFORK BASIN | 12/30 14.45 | 1/31 3.92 | 2/28 1.34 | 3/31 4.93 | 4/29 6.72 | 5/25 2.69 | 5/30 .45 | 10/01 11.20 | 30.76 |
| LAKEFORK MTN 1 | 12/31 9.00 | 1/29 4.31 | 2/25 0.77 | 3/28 4.80 | 4/27 3.00 | 5/25 2.23 | 5/30 .60 | 9/30 12.39 | 45.70 |
| LIGHTNING LAKE | 12/30 14.19 | 1/31 3.35 | 2/29 1.32 | 3/31 4.84 | 4/29 6.60 | 5/25 2.64 | 5/30 .44 | 9/21 11.00 | 43.10 |
| MOSBY MOUNTAIN | 12/31 9.10 | 1/29 2.30 | 2/26 0.60 | 3/28 2.36 | 4/27 1.56 | 5/25 1.73 | 5/30 1.84 | 10/01 11.70 | 44.38 |
| PARADISE PARK | | 1/20 14.59 | 2/26 0.96 | 3/28 6.49 | 4/27 2.15 | 5/25 3.10 | 5/30 2.10 | 9/24 7.20 | 40.59 |
| REYNOLDS PARK | | | | | | | | | |
| ROCK CREEK | 12/31 8.93 | 1/28 3.50 | 2/25 0.60 | 3/28 3.70 | 4/27 2.58 | 5/25 1.67 | 5/30 .10 | 9/24 15.85 | 36.70 |
| SHADOW LAKE | | | | | | | | 9/09 | 36.93 |
| SPIRIT LAKE | | 1/29 13.33 | 2/26 1.43 | 3/29 4.45 | 4/27 3.43 | 5/25 3.15 | 5/29 1.42 | 9/28 7.50 | 44.93 |
| STEEL CRK PARK | 12/30 11.50 | 1/28 4.00 | 2/25 2.50 | 3/27 2.90 | 4/26 3.42 | 5/25 2.41 | 5/29 1.26 | 10/01 10.23 | 34.71 |
| TROUT CREEK | 12/31 6.37 | 1/29 1.80 | 2/26 0.75 | 3/28 4.43 | 4/26 2.40 | 5/25 1.92 | 5/29 .93 | 9/30 10.70 | 38.22 |
| STRAWBERRY DTV | 12/31 20.70 | 1/31 8.20 | 2/28 3.30 | 3/31 7.70 | 4/30 6.40 | 5/31 1.20 | 5/30 .10 | 9/30 10.40 | 29.30 |
| WOLF DUCHESNE | | | | | | | 5/30 36.88 | 9/27 6.46 | 59.00 |
| | | | | | | | | | 43.34 |

P R I C E - S A N R A F A E L P I V E R B A S I N

| | | | | | | | | | |
|----------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-------------|-------|
| BLACKS FLAT-UM | 1/01 7.67 | 1/25 3.13 | 2/25 2.60 | 3/29 3.50 | 4/27 1.19 | 5/26 1.29 | 7/01 1.10 | 10/01 8.85 | 29.53 |
| BUCKBOARD FLAT | 12/30 3.55 | 1/23 3.40 | 2/25 1.60 | 3/27 4.30 | 4/28 1.70 | 5/26 2.60 | 6/30 .50 | 9/28 11.90 | 34.55 |
| BUCK FLAT | 1/01 13.50 | 1/23 5.85 | 2/25 2.60 | 3/30 6.55 | 4/27 1.10 | 5/26 1.79 | 5/29 .66 | 10/01 11.26 | 44.01 |
| CAMP JACKSON | 12/30 5.90 | 1/29 4.30 | 2/25 1.85 | 3/27 4.50 | 4/29 1.63 | 5/26 1.47 | 5/30 .45 | 9/28 11.55 | 31.55 |
| DILLS CAMP | 1/01 13.00 | 1/26 5.29 | 2/25 2.58 | 3/30 4.93 | 4/27 0.68 | 5/26 1.63 | 7/01 .24 | 10/01 10.79 | 29.39 |
| FISH LAKE | | 1/27 9.69 | 2/25 1.48 | 3/28 2.71 | 4/27 0.67 | 5/26 1.60 | 7/01 1.35 | | |
| GOOSEBERRY RES | | 1/28 21.28 | 2/26 2.38 | 3/31 7.23 | 4/28 1.52 | 5/26 1.93 | 5/30 1.04 | 10/04 12.81 | 48.19 |
| LASAL MTN UPR | 12/29 10.73 | 1/27 3.60 | 2/26 1.70 | 3/26 3.70 | 4/28 1.60 | 5/27 1.90 | 5/30 .83 | 10/01 11.57 | 35.60 |
| MUD CREEK | | 1/28 16.14 | 2/26 1.71 | 3/31 3.00 | 4/29 1.16 | 5/26 1.09 | 5/28 .40 | | |
| ORANGE OLSEN | | 1/29 9.61 | 2/26 0.77 | 3/31 2.67 | 4/28 0.79 | 5/26 0.64 | 5/28 .46 | | |
| RED PINE RIDGE | 1/01 17.10 | 1/29 4.32 | 2/26 3.34 | 3/31 4.91 | 4/28 1.50 | 5/26 1.63 | 5/22 .51 | 10/01 9.80 | 43.43 |
| STUART RS OLD | | 1/29 11.52 | 2/26 1.36 | 3/31 3.48 | 4/29 0.45 | 5/26 1.07 | 5/28 .26 | 9/30 8.40 | 26.34 |
| WHITE RIVER #1 | 1/01 11.50 | 1/29 4.16 | 2/27 1.73 | 3/31 4.44 | 4/28 2.08 | 5/27 1.04 | 5/23 .73 | 10/01 9.03 | 34.80 |
| SEELEY CR RS | 1/01 3.90 | 2/01 3.30 | 3/01 5.10 | 4/01 4.30 | 5/01 1.90 | 6/01 2.50 | 7/01 1.10 | 10/01 10.20 | 37.30 |

S E W I E R - R E A V E R R I V E R B A S I N S

| | | | | | | | | | |
|-------------|------------|-----------|-----------|-----------|-----------|-----------|----------|------------|-------|
| BEAVER DAMS | 1/01 10.00 | 1/20 4.70 | 2/26 2.12 | 3/30 4.31 | 4/27 0.87 | 5/26 1.95 | 6/29 .58 | 10/01 8.50 | 32.99 |
|-------------|------------|-----------|-----------|-----------|-----------|-----------|----------|------------|-------|

NOTE: BLANK SPACES INDICATE NO READING TAKEN; NEXT READING IS CUMULATIVE(EXCEPT AS NOTED *)

*: GAGE MOLESTED; DATA FOR THIS PERIOD LOST

TABLE PRECIPITATION DATA

1952 WATER YEAR

| STATION NAME | OCT.-DEC. | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY-SEPT. | TOTAL |
|----------------|-------------|------------|-----------|-----------|------------|-----------|-----------|-------------|-------|
| PUG FLAT | 1/10 12.38 | 1/20 1.25 | 2/27 4.10 | 3/26 6.42 | 4/26 2.91 | 5/25 2.41 | 6/24 1.70 | 10/01 12.61 | 42.15 |
| OX CREEK | 1/01 1.40 | 1/27 2.02 | 2/25 2.13 | 3/26 4.20 | 4/27 1.65 | 5/26 1.70 | 7/01 1.22 | 10/01 12.00 | 35.70 |
| CATTLE VALLEY | 1/05 1.60 | 1/27 2.03 | 2/27 1.57 | 3/27 6.44 | 4/26 3.09 | 5/25 1.22 | 6/25 1.95 | 10/01 9.05 | 32.34 |
| BUCK CREEK | 1/07 11.37 | 1/27 3.30 | 2/25 3.41 | 3/27 7.90 | 4/27 1.27 | 5/25 1.54 | 6/25 1.54 | 9/14 7.34 | 37.72 |
| FAVINGTOWN LY | 1/07 12.11 | 1/27 17.41 | 2/26 2.47 | 3/31 5.27 | 4/28 1.26 | 5/26 2.30 | 7/02 1.40 | 10/01 11.05 | 42.35 |
| CEC HEADERS | | 1/27 2.14 | 2/26 1.11 | 3/31 3.37 | 5/01 0.25 | 6/02 1.31 | 7/02 1.75 | 10/01 10.70 | 40.51 |
| CARD TAGERS | 12/31 6.07 | 1/27 21.05 | 2/26 3.69 | 3/31 9.90 | 4/28 1.84 | 5/26 2.69 | 7/02 1.75 | 10/01 13.50 | 53.97 |
| GRAC MEADS | | | | | 5/01 10.35 | 6/02 1.75 | 7/02 1.26 | 10/01 11.65 | 29.25 |
| COLO OAK | 12/31 7.1 | 1/27 1.00 | 2/25 2.16 | 3/30 4.30 | 4/27 3.57 | 5/26 1.76 | 6/01 1.80 | 10/01 10.79 | 33.93 |
| GOODS CREEK | 12/31 10.30 | 1/27 4.80 | 2/26 1.82 | 3/26 5.61 | 4/26 2.50 | 5/26 2.06 | 6/16 2.40 | 10/01 9.40 | 41.57 |
| KINGSLY MINE | 12/31 13.57 | 1/27 4.80 | 2/26 1.82 | 3/26 5.61 | 4/26 2.50 | 5/26 2.06 | 6/16 2.40 | 10/01 10.65 | 35.40 |
| PAK TH-COTTON | 12/31 10.40 | 1/27 4.80 | 2/26 1.82 | 3/26 5.61 | 4/26 2.50 | 5/26 2.06 | 6/16 2.40 | 10/01 10.65 | 34.79 |
| MERCANT VALLEY | 12/31 7.54 | 1/27 4.80 | 2/26 1.82 | 3/26 5.61 | 4/26 2.50 | 5/26 2.06 | 6/16 2.40 | 10/01 10.65 | 34.79 |
| VICKY VALLEY | 12/31 7.50 | 1/27 4.80 | 2/26 1.82 | 3/26 5.61 | 4/26 2.50 | 5/26 2.06 | 6/16 2.40 | 10/01 10.65 | 44.40 |
| MT. ALDY RS | | | | | | | | | |
| DAY CREEK | | | | | | | | | |
| FAMGITCH LAKE | 1/05 14.30 | 1/27 16.01 | 2/22 1.13 | 3/25 4.74 | 4/26 3.47 | 5/25 1.88 | 6/25 1.47 | 10/01 8.14 | 36.89 |
| PICKLE KEC SPG | 12/31 11.20 | 1/27 5.40 | 2/23 1.24 | 3/27 2.70 | 4/26 1.70 | 5/25 0.64 | 6/25 1.54 | 9/23 4.74 | 19.31 |
| SLICE CREEK | | 1/27 1.33 | 2/27 3.20 | 3/25 6.41 | 4/26 4.72 | 5/25 2.89 | 6/25 1.24 | 10/01 10.20 | 40.30 |
| FEES FLAT | | 1/27 15.84 | 2/22 2.43 | 3/25 3.68 | 4/26 2.56 | 5/25 1.50 | 6/25 1.06 | 10/06 8.85 | 35.92 |
| HARRIS FLAT | 12/31 7.20 | 1/27 3.87 | 2/24 1.10 | 3/27 3.90 | 4/27 1.47 | 5/27 1.20 | 6/27 1.20 | 9/14 7.34 | 25.54 |
| SHIPLE HILL | | 1/27 14.26 | 2/25 1.96 | 3/31 5.95 | 4/30 1.52 | 5/26 2.11 | 6/23 1.87 | 10/01 11.45 | 36.12 |
| VINTAGE-ESCL | 12/31 7.75 | 1/27 3.00 | 2/24 1.46 | 3/27 4.07 | 4/27 2.57 | 5/25 1.50 | 6/30 1.51 | 10/01 9.35 | 30.21 |

CORAL CREEK - VIERGIER - ESCALANTE RIVERS

| | | | | | | | | | |
|---------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-------------|-------|
| KULOT CRYSTAL | 12/31 6.00 | 1/27 5.30 | 2/24 2.50 | 3/27 9.60 | 4/27 4.90 | 5/25 1.88 | 6/30 1.60 | 10/01 9.80 | 41.88 |
| LITTLE GRASSY | | 1/27 3.53 | 2/24 0.60 | 3/24 6.61 | 4/27 2.00 | 5/25 1.05 | 6/30 1.75 | 10/01 8.60 | 24.85 |
| LONG FLAT | 12/31 3.10 | 1/27 2.00 | 2/24 1.89 | 3/26 5.01 | 4/27 2.74 | 5/27 0.51 | 6/30 2.75 | 10/01 10.40 | 41.92 |
| TALL POLES | 12/20 6.20 | 1/27 4.65 | 2/25 1.45 | 3/30 7.80 | 4/29 1.70 | 5/25 2.75 | 6/30 1.02 | 10/01 10.40 | 41.92 |
| WESTER FLAT | 1/10 9.87 | 1/27 4.05 | 2/24 2.50 | 3/26 4.16 | 4/27 3.80 | 5/25 1.15 | 6/30 1.95 | 10/01 10.40 | 41.92 |
| YANKEE RESVR | | 1/27 11.31 | 2/27 2.34 | 3/27 3.61 | 4/26 2.31 | 5/25 0.85 | 6/30 1.95 | 10/01 10.40 | 41.92 |

NOTE: BLANK SPACES INDICATE NO READING TAKEN; NEXT READING IS CUMULATIVE (EXCEPT AS NOTED *)
 *: GAGE COLLECTED; DATA FOR THIS PERIOD LOST

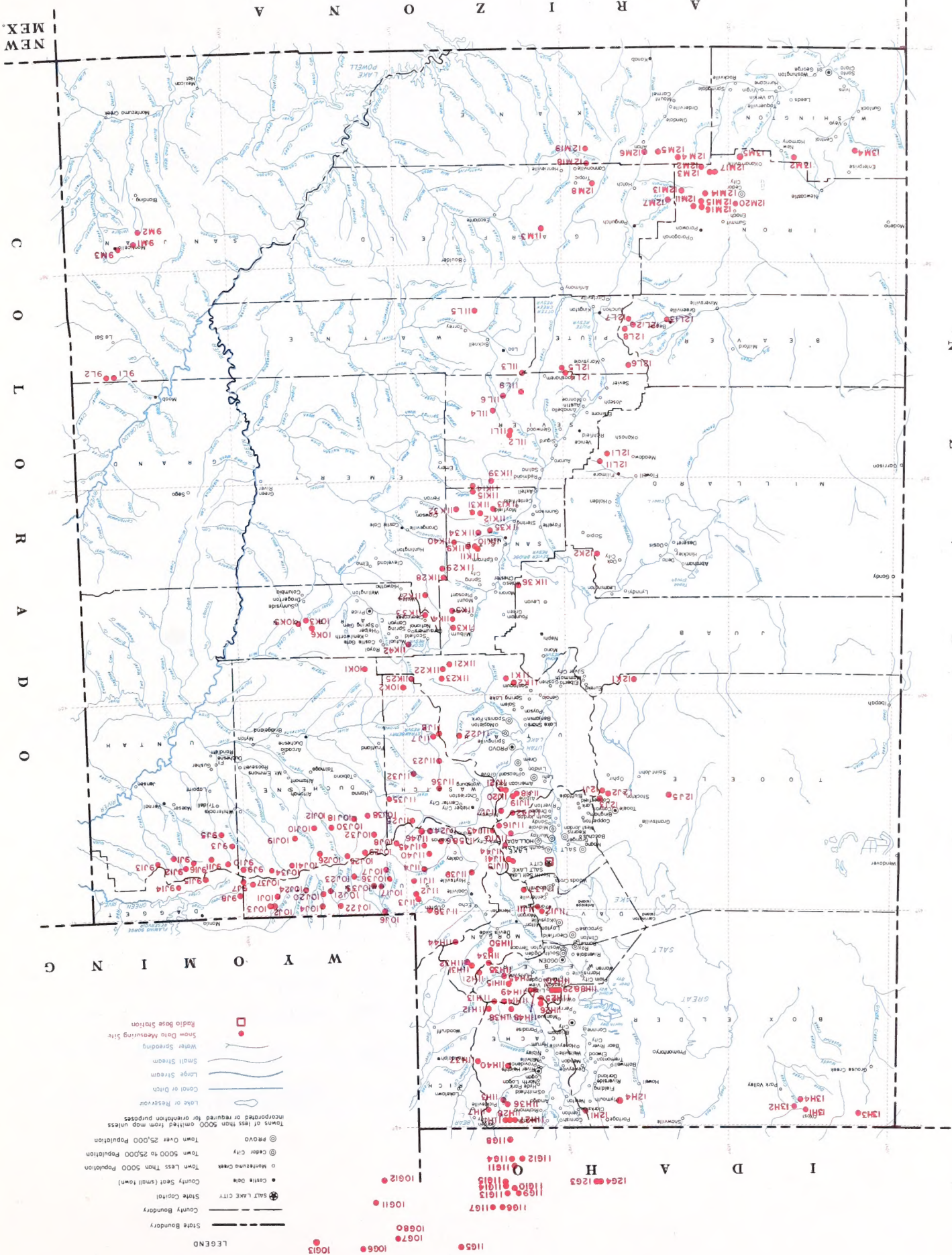
SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

SCALE 1:1,500,000
ALBERS EQUAL AREA PROJECTION

USGS National Atlas 1:1,000,000 Albers
Equal-area projection (1967) used as source
for base map and adopted for SCS use.



GREAT BASIN DRAINAGE

| NO. | STATE | NAME | SEC. | TWP. | RGE. | ELEV. |
|---------------------------------------|-------|----------------------|------|------|------|--------|
| UPPER BEAR RIVER (above Harer, Idaho) | | | | | | |
| 10G11 | W | Big Rock | 7 | 27N | 17W | 8,700 |
| 10I4P | U | Burns-Miller Ranch | 19 | 3N | 10E | 7,900 |
| 10G7 | W | CCC Camp x | 9 | 29N | 118W | 7,500 |
| 10J36P | U | Gold Hill | 15 | 1N | 9E | 10,000 |
| 10J7PST | U | Hayden Fork | 23 | 1N | 9E | 9,400 |
| 10G12 | W | Kelly Ranger Station | 15 | 26N | 118W | 8,200 |
| 10J35P | U | Lily Lake | 34 | 2N | 10E | 8,250 |
| 10H12PST | U | Monte Cristo R.S. | 29 | 30N | 116W | 8,000 |
| 10G8P | W | Payson R.S. | 32 | 29N | 118W | 7,900 |
| 10G13MP | W | Salt River Summit x | 15 | 29N | 115W | 8,400 |
| 10J17P | U | Stillwater Camp | 32 | 2N | 10E | 8,550 |

| | | | | | | |
|---------------------------------------|---|---------------------------|---------|-----|-----|-------|
| LOWER BEAR RIVER (below Harer, Idaho) | | | | | | |
| 11H37PST | U | Big Lake | 18 | 11N | 5E | 7,950 |
| 11G11 | U | Christmas Ranch | 27 | 13S | 41E | 5,600 |
| 11H38P | U | Cinnamon Creek | 5 | 8N | 4E | 7,300 |
| 12H1P | U | Clarkston Mountain | 29 | 14N | 2W | 6,300 |
| 11G12 | U | Cub River Ranger Station | 30 | 13S | 41E | 5,400 |
| 11G14 | U | Dry Basin Flat | 3 | 13S | 37E | 7,900 |
| 12G4 | U | Ely Creek | 3 | 13S | 37E | 7,900 |
| 11G7 | U | Emigration Canyon (mouth) | 21 | 12S | 42E | 9,350 |
| 11G8PST | U | Franklin Basin | 24 | 12S | 42E | 6,300 |
| 11G8MPST | U | Garden City Summit | 1 | 16S | 41E | 8,000 |
| 11H40P | U | Herd Hollow | 34 & 35 | 14N | 4E | 7,600 |
| 11G15a | U | Horseshoe Basin | 3 | 11N | 4E | 7,200 |
| 11H1MP | U | Klondike Narrows | 31 | 13S | 42E | 8,000 |
| 11G13 | U | Liberty Springs | 10 | 14N | 3E | 7,400 |
| 11H2PST | U | Little Bear (lower) | 12 | 13S | 42E | 8,240 |
| 11H2PST | U | Little Bear (upper) | 12 | 13S | 42E | 8,240 |
| 12G3 | U | Oxford Meadows | 1 | 1E | 3E | 6,000 |
| 11G5 | U | Slip Creek Divide | 32 | 13S | 37E | 6,800 |
| 11H27 | U | Slip Creek Divide | 15 | 10S | 37E | 7,225 |
| 11H28 | U | Steep Hollow #2 | 7 | 14N | 3E | 8,500 |
| 11G9 | U | Steep Hollow #2 | 9 | 14N | 3E | 7,700 |
| 11G10 | U | Strawberry Creek | 9 | 13S | 41E | 5,800 |
| 11H36PST | U | Stony Grove Mink Divide | 14 | 13S | 41E | 6,800 |
| 11H36P | U | Tony Grove Lake | 13 | 13N | 3E | 8,400 |
| 11G4P | U | Tony Grove Ranger Station | 11 | 13S | 3E | 6,250 |
| 11G4P | U | Willow Flat | 2 | 15S | 41E | 6,100 |

| | | | | | | |
|------------|---|---------------------|----|-----|-----|-------|
| RAFT RIVER | | | | | | |
| 13H2e | U | Clear Creek Meadows | 26 | 14N | 14W | 9,050 |
| 13H4S | U | George Peak | 4 | 13N | 14W | 9,000 |
| 13H1 | U | One Mile Summit | 17 | 14N | 14W | 7,330 |
| 13H3a | U | V/Pont | 17 | 14N | 17W | 7,670 |

| | | | | | | |
|-------------|---|--------------------------|----|----|----|-------|
| OGDEN RIVER | | | | | | |
| 11H4M | U | Beaver Creek-Skunk Creek | 22 | 8N | 3E | 7,150 |
| 11H8PST | U | Ben Leonard Peak | 3 | 7N | 1W | 8,000 |
| 11H8PST | U | Ben Leonard Trail | 7 | 7N | 1W | 8,000 |
| 11H35P | U | Cremens Pond | 34 | 7N | 3E | 5,500 |
| 11H13MPST | U | Dry Breod Ford | 19 | 8N | 4E | 8,350 |
| 11H34P | U | Gardner's Peak | 21 | 6N | 4E | 8,050 |
| 11H45P | U | Middle Fork Ogden | 16 | 7N | 2E | 8,420 |
| 11H49 | U | Powder Mountain Hideaway | 6 | 7N | 2E | 8,250 |
| 11H48 | U | Powder Mountain Sundown | 1 | 7N | 1E | 8,400 |
| 11H15P | U | Sagebrush Flat | 21 | 7N | 3E | 6,300 |

| | | | | | | |
|-------------|---|---------------------------|----|----|----|-------|
| WEBER RIVER | | | | | | |
| 11J24 | U | Beaver Creek R.S. | 28 | 25 | 7E | 7,500 |
| 11J1PST | U | Chalk Creek #1 | 4 | 1N | 8E | 9,100 |
| 11J2MPST | U | Chalk Creek #2 | 29 | 2N | 8E | 8,200 |
| 11J2MPST | U | Chalk Creek #3 | 7 | 2N | 8E | 9,200 |
| 11J5a | U | East Shingle Lake | 1 | 2N | 8E | 9,200 |
| 11J11PST | U | Emigration Canyon (lower) | 15 | 3N | 1E | 6,950 |
| 11J11PST | U | Emigration Canyon (upper) | 23 | 3N | 1E | 8,000 |
| 11H44P | U | Francis Canyon | 29 | 5N | 6E | 7,400 |
| 11J37P | U | Hardscabble | 22 | 2N | 2E | 6,700 |
| 11H21PST | U | Horse Ridge | 25 | 7N | 4E | 8,260 |
| 11H31 | U | Kittifall Creek | 20 | 6N | 5E | 7,300 |
| 11H32P | U | Lost Creek | 27 | 6N | 5E | 7,300 |
| 11J43 | U | Park City Summit | 30 | 7S | 4E | 7,500 |
| 11J19PST | U | Portley's Canyon Summit | 5 | 3E | 3E | 7,500 |
| 11H50 | U | Pine Canyon | 22 | 5N | 7E | 8,000 |
| 11J33P | U | Pine Canyon | 22 | 5N | 7E | 8,100 |
| 11J5P | U | Redden Mine (lower) | 1 | 2S | 6E | 8,500 |
| 11J39a | U | Sergeant Lakes | 1 | 1N | 6E | 9,000 |
| 11J40P | U | Shingle Mill Flat | 22 | 1S | 7E | 9,040 |
| 11J4PST | U | Smith & Morehouse | 25 | 1N | 7E | 7,600 |

| PROVO RIVER & UTAH LAKE | | | | | | |
|-------------------------|---|----------------------|-----|-----|-------|-------|
| 11J46PST | U | Beaver Creek Divide | 25 | 25 | 7E | 8,280 |
| 11J20 | U | Camp Altamont | 29 | 4S | 3E | 7,500 |
| 11K21PST | U | Clear Creek Ridge #1 | 18 | 11S | 6E | 8,000 |
| 11K22PST | U | Clear Creek Ridge #2 | 18 | 11S | 6E | 8,000 |
| 11K23 | U | Clear Creek Ridge #3 | 105 | 6E | 6,000 | 7,460 |
| 11J17P | U | Dutchman R.S. | 27 | 35 | 3E | 7,460 |
| 11J22P | U | Hobbs Creek Summit | 36 | 45 | 6E | 9,000 |
| 11J36P | U | Lake Creek | 30 | 45 | 6E | 8,050 |
| 11K1P | U | Payson R.S. | 105 | 30 | 10S | 6,750 |
| 11K2 | U | Rock Bridge | 14 | 10S | 2E | 6,750 |

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

| | | | | | | |
|-------------------------------------|---|----------------------|----|----|----|-------|
| PROVO RIVER & UTAH LAKE (continued) | | | | | | |
| 11J25P | U | Scorpion R.S. | 24 | 3S | 8E | 7,800 |
| 11J19 | U | South Fork R.S. | 9 | 4S | 2E | 6,100 |
| 11J18 | U | Timpanogas Cave Camp | 27 | 4S | 2E | 5,500 |
| 11J21PST | U | Timpanogas Divide | 33 | 4S | 3E | 8,140 |
| 10B8PST | U | Tidal Lake | 5 | 2S | 9E | 9,960 |

| | | | | | | |
|--------------------------------|---|-------------------------------|----|-----|----|-------|
| JORDAN RIVER & GREAT SALT LAKE | | | | | | |
| 12J2 | U | Beaver's Cabin | 24 | 4S | 4W | 6,450 |
| 12J3P | U | Beaver's Cabin | 2 | 1S | 7W | 9,250 |
| 11J14P | U | Beaver's Canyon #2 | 2 | 1S | 7W | 9,250 |
| 11J14P | U | Beaver's Canyon #2 | 8 | 4S | 3E | 7,000 |
| 11J14 | U | Mill Creek | 25 | 1S | 2E | 6,950 |
| 11J10 | U | Mill D South Fork | 18 | 2S | 3E | 7,400 |
| 12J1P | U | Rocky Basin-Settlement Canyon | 30 | 4S | 3W | 8,900 |
| 11J16P | U | Silver Lake (Brighton) | 35 | 2S | 3E | 8,725 |
| 11J42 | U | Snow Bird (Good Valley) | 18 | 3S | 3E | 7,250 |
| 12K1PST | U | Vernon Creek | 21 | 10S | 5W | 7,500 |

| | | | | | | |
|---|---|--------------------|-------|-----|----|--------|
| UPPER SEVIER RIVER (South of Richfield, Utah) | | | | | | |
| 12L4PST | U | Box Creek | 33 | 26S | 2W | 9,300 |
| 12M8 | U | Byrce Canyon | 3 | 36S | 4W | 6,000 |
| 12M19PST | U | Castle Valley | 13 | 38S | 8W | 6,700 |
| 12M19PST | U | Castle Valley | 13 | 38S | 8W | 6,700 |
| 12M18 | U | Castle Valley R.S. | 32 | 37S | 4W | 8,000 |
| 12M18 | U | Fowler | 32 | 37S | 4W | 8,000 |
| 12M5PST | U | Harris Flat | 24 | 38S | 7W | 7,700 |
| 11L9P | U | High-Top Mountain | 36 | 25S | 1E | 11,400 |
| 12L6PST | U | Kimberly Mine | 11 | 27S | 5W | 9,200 |
| 12M24PST | U | Midway Valley | 26 | 37S | 9W | 9,800 |
| 12M19 | U | Panguitch Lake | 4 & 5 | 36S | 7W | 8,200 |
| 12M19 | U | Panguitch Lake | 29 | 38S | 4W | 9,100 |
| 12J5 | U | Snow Springs | 3 | 27S | 2W | 9,300 |

| | | | | | | |
|--|---|-------------------------------|----|-----|----|--------|
| LOWER SEVIER RIVER (Including San Pitch River) | | | | | | |
| 11K3P | U | Beaver Dam | 22 | 19S | 3E | 8,000 |
| 11L11P | U | Benjamin Lake | 24 | 22S | 4E | 8,700 |
| 11L11P | U | Benjamin Lake | 24 | 22S | 4E | 8,700 |
| 11K10P | U | G. B. C. Meadows | 27 | 17S | 4E | 10,000 |
| 11K10P | U | G. B. C. Meadows | 27 | 17S | 4E | 10,000 |
| 11K3MPST | U | Gooseberry R.S. | 21 | 23S | 2E | 8,000 |
| 11K34 | U | Memmoth R.S.-Cottonwood Creek | 13 | 13S | 5E | 8,800 |
| 11K34 | U | Memmoth R.S.-Cottonwood Creek | 16 | 18S | 4E | 9,600 |
| 11K12P | U | Mt. Baldy R.S. | 19 | 19S | 4E | 9,500 |
| 12K2P | U | Oak Creek | 19 | 17S | 3W | 7,760 |
| 11K39PST | U | Pickle Keg Springs | 4 | 21S | 3E | 9,000 |
| 11K39PST | U | Pickle Keg Springs | 24 | 22S | 2E | 8,200 |
| 12L19S | U | Pine Creek | 24 | 22S | 2E | 8,200 |
| 12L19S | U | Pine Creek | 24 | 22S | 2E | 8,200 |
| 12L19P | U | Shoshone Flat | 19 | 18S | 3W | 8,760 |
| 11K35 | U | Thistle Flat | 19 | 18S | 3E | 8,760 |

| | | | | | | |
|--------------|---|---------------------------|----|-----|-------|--------|
| BEAVER RIVER | | | | | | |
| 12L13 | U | Beaver Race Track | 23 | 29S | 7W | 6,020 |
| 12L27PST | U | Big Flat | 7 | 29S | 4W | 10,290 |
| 12L12PST | U | Merchant's Valley (upper) | 8 | 8 | 8,750 | 5W |
| 12L8 | U | Other Lake | 12 | 29S | 5W | 9,600 |

| | | | | | | |
|---------------|---|------------------|---------|-----|----|--------|
| PAROWAN CREEK | | | | | | |
| 12M16 | U | Birch Crossing | 23 | 35S | 9W | 8,100 |
| 12M14 | U | Brian Head | 10 | 36S | 9W | 10,000 |
| 12M15P | U | Tall Poles | 26 & 35 | 35S | 9W | 8,800 |
| 12M11P | U | Yankee Reservoir | 20 | 35S | 8W | 8,700 |

ENTERPRISE TO NEW HARMONY DRAINAGES

| | | | | | | |
|------------|---|--------------------|----|-----|-----|-------|
| COAL CREEK | | | | | | |
| 13M4MP | U | Little Grass Creek | 14 | 38S | 18W | 6,100 |
| 13M2MPST | U | Long Flat | 2 | 38S | 14W | 8,000 |

| | | | | | | |
|--|---|-----------------------------|----|-----|-----|--------|
| UPPER GREEN RIVER IN UTAH (above Duchesne River) | | | | | | |
| 9J11aP | U | Ashley Twin Lakes | 20 | 15 | 19E | 10,500 |
| 10J21P | U | Black's Fork G.S.-East Fork | 25 | 2N | 12E | 9,300 |
| 10J22P | U | Black's Fork Junction | 33 | 3N | 12E | 8,925 |
| 10J23a | U | Burn Creek | 2 | 1N | 11E | 7,900 |
| 9J13P | U | Burn Creek | 4 | 1N | 20E | 7,900 |
| 10J24P | U | Grizzly Ridge | 11 | 22E | 14E | 10,000 |
| 9J18P | U | Harpers G.S. | 29 | 3N | 13E | 9,500 |
| 9J18P | U | Harpers G.S. | 33 | 3N | 13E | 9,500 |
| 9J19P | U | Hickman Park | 13 | 2N | 17E | 10,250 |
| 10J13P | U | Hightline Trail | 24 | 1N | 19E | 10,250 |
| 10J13 | U | Hole-in-the-Rock G.S. | 32 | 3N | 15E | 9,150 |
| 10J13 | U | Hole-in-the-Rock G.S. | 32 | 3N | 16E | 8,300 |

| | | | | | | |
|--|---|----------------------|----|----|-----|--------|
| UPPER GREEN RIVER IN UTAH (above Duchesne River) (continued) | | | | | | |
| 9J11PST | U | King's Cabin (upper) | 22 | 1S | 21E | 8,730 |
| 10J37P | U | McCoy Fork | 6 | 1N | 17E | 10,680 |
| 10J2 | U | Middle Beaver Creek | 31 | 3N | 16E | 8,650 |
| 9J10aP | U | Reynolds Park | 9 | 1S | 18E | 10,400 |
| 10J20PST | U | Spirit Lake | 17 | 1N | 17E | 10,300 |
| 10J16PST | U | Steel Creek Park | 10 | 2N | 13E | 10,100 |
| 9J12aP | U | Trou Creek | 2 | 1S | 20E | 9,400 |
| 9J12aP | U | Windy Park | 2 | 1S | 20E | 9,400 |

| | | | | | | | | | |
|-----------------|---|---------------------------|-------|-----|-----|--------|--|--|--|
| DUCHESSNE RIVER | | | | | | | | | |
| 10J41aP | U | Alwood Lake | 13 | 4N | 4W | 10,840 | | | |
| 10J30PST | U | Brown Duck Ridge | 8 | 2N | 6W | 10,600 | | | |
| 9J2aP | U | Chepeno-Whitlocks Lakes | 26 | 15 | 11W | 10,350 | | | |
| 11J32MPST | U | Current Creek | 3 | 4N | 1W | 8,000 | | | |
| 11J32MPST | U | Daniels-Strawberry Summit | 22 | 2S | 12W | 8,000 | | | |
| 11J7P | U | East Fork Lake | 28 | 4N | 5E | 7,500 | | | |
| 10J26aP | U | Five Point Lake | 36 | 4N | 5W | 11,000 | | | |
| 10K1PST | U | Indian Canyon | 2 | 11S | 10E | 9,600 | | | |
| 10J19P | U | Jackson Park | 25 | 3N | 4W | 10,600 | | | |
| 10J34P | U | Kidney Lake | 28 | 5N | 3W | 11,000 | | | |
| 10J10PST | U | Lakefork Basin | 13 | 4N | 7W | 11,100 | | | |
| 10J10PST | U | Lakefork Mountain | 2 & 3 | 2N | 5W | 10,200 | | | |
| 10J29P | U | Lakefork Mountain #3 | 20 | 2N | 4W | 8,400 | | | |
| 10J29P | U | Lighting Lake | 33 | 4N | 8W | 10,500 | | | |
| 9J13P | U | Moby Mountain | 37 | 3N | 1E | 10,100 | | | |
| 10J18P | U | Paradise Fork | 21 | 2N | 7W | 7,900 | | | |
| 10J32P | U | Rock Creek | 21 | 2N | 7W | 7,900 | | | |
| 11J8PST | U | Shadow Lake | 3N | 8W | 11W | 8,400 | | | |
| 11J35P | U | Strawberry Divide | 45 | 2N | 12W | 8,400 | | | |
| U | U | West Fork of the Duchesne | 2 | 1N | 1W | 9,400 | | | |

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
 - Soil Conservation Service
 - Forest Service
- U. S. Department of Commerce
 - NOAA, National Weather Service
- U. S. Department of Interior
 - Bureau of Reclamation
 - Geological Survey
 - National Park Service

STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
 - Division of Wildlife Resources
 - Division of Water Resources
 - Division of Water Rights
 - Bear River Commissioner
 - Price River Commissioner
 - Provo River Commissioner
 - Sevier River Commissioners
 - Spanish Fork River Commissioner
 - Utah Lake and Jordan River Commissioner

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

PRIVATE AGENCIES

- Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG. - - ROOM 4420
125 SOUTH ST.
SALT LAKE CITY, UTAH 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U S DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

U.S. DEPT. OF AGRICULTURE
LIBRARY, CURRENT SERIAL
RECORD
WASHINGTON, D.C. 20250

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*